Abstract

A magnet arrangement (1) for magnetic levitation vehicles is described that is comprised of an electromagnet having a plurality of magnet poles, said magnet poles having cores connected via pole backs (4) and coils (5) coiled onto them, said coils being connected to each other inside and outside in alternating succession. Moreover, said magnet arrangement (1) is comprised of a means (30) for the reduction of resonance oscillations occurring in said coils (5), wherein the pole backs (4) are essential constituents of said means according to the present invention (FIG. 5).